

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

## Complete if Known

Application Number	10/829,403
Filing Date	April 20, 2004
First Named Inventor	Marco Tartagni
Art Unit	2858
Examiner Name	Vincent Q. Nguyen
Attorney Docket Number	2505377-991104

Sheet 1 of 2

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56(a) and 37 C.F.R. § 1.97, Applicant(s) hereby make of record the references listed on the accompanying form, SB/08A and/or SB/08b for consideration by the Examiner in connection with the examination of the above-identified patent application.

### This Information Disclosure Statement:

- (a) ☐ accompanies a new patent application submitted herewith.
- (b) ☐ is filed within three (3) months of the Filing Date or before the mailing date of a First Office Action on the merits; **OR**
- (c) ☒ is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned prior to the mailing date of either a final rejection or a notice of allowance, and is accompanied by either the fee (\$180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below **OR**
- (d) ☐ is filed after the mailing date of either a final rejection or a notice of allowance, and the issue fee has not been paid, and is accompanied by the requisite petition fee (\$130) set forth in 37 CFR § 1.17(l)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below.  
This document is to be considered as a petition requesting consideration of the information disclosure statement.

As required under § 1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

- (e) ☐ Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
- (f) ☐ No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

Each item of information listed in the attached FORM PTO/SB/08a and/or SB/08b may be material to the examination of the above-identified application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56, 1.97 and 1.98. The Examiner is requested to make these items of official record in this application.

Pursuant to notice entitled "Information Disclosure Statements May Be Filed Without Copies Of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003," *Off. Gaz. Pat. Office* 55 (August 5, 2003), no copies of U.S. Patents and U.S. Published Patent Applications are being supplied with this Information Disclosure Statement.

07/01/2005 HVDUN61 00000013 10829403

02 FC:1806  
SF3112727.1  
357094-991104

180.00 OP

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/829,403
				Filing Date	April 20, 2004
				First Named Inventor	Marco Tartagni
				Art Unit	2858
Examiner Name	Vincent Q. Nguyen				
Sheet	2	of	2	Attorney Docket Number	2505377-991104

This Information Disclosure Statement under 37 CFR 1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these items constitutes prior art.

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record. To the extent required, please treat this submission as a conditional petition for acceptance of the information disclosure statement.

The Commissioner is authorized to charge any deficiencies and credit any overpayment of fees to our Deposit Account No. 07-1896.

Respectfully submitted,

Date: June 27, 2005

DLA Piper Rudnick Gray Cary US LLP



By: Andrew V. Smith

Reg. No. 43,132

Attorneys for Applicant(s)

153 Townsend Street, Suite 800

San Francisco, CA 94107-1907

Tel. 415-836-2522

Fax. 415-836-2501

☒ Customer Number or Bar Code Label

29585

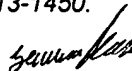
*(Insert Customer No. or Attach bar code label here)*

**CERTIFICATE OF MAILING**

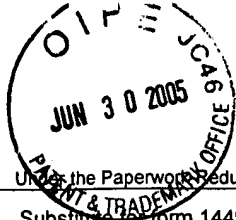
*I hereby certify that this correspondence is being deposited with the United States Postal Service in an envelope, addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.*

27 June 2005

Date



Gerry Ubau



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/829,403
		Filing Date	April 20, 2004
		First Named Inventor	Marco Tartagni
		Art Unit	2858
		Examiner Name	Vincent Q. Nguyen
Sheet 1	of 4	Attorney Docket Number	2505377-991104

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,493,855	02-03-1970	Norwich	
		US-3,641,431	02-08-1972	Pigage et al.	
		US-3,781,855	12-25-1973	Killen	
		US-3,873,927	03-25-1975	Overall	
		US-3,967,310	06-29-1976	Horiuchi et al.	
		US-4,016,490	04-05-1977	Weckenmann et al.	
		US-4,096,758	06-27-1978	Moore	
		US-4,161,743	07-17-1979	Yonezawa et al.	
		US-4,183,060	01-08-1980	Barnette et al.	
		US-4,353,056	10-05-1982	Tsikos	
		US-4,394,773	07-19-1983	Ruell	
		US-4,428,670	01-31-1984	Ruell et al.	
		US-4,429,413	01-31-1984	Edwards	
		US-4,513,298	04-23-1985	Scheu	
		US-4,571,543	02-18-1986	Raymond et al.	
		US-4,577,345	03-18-1986	Abramov	
		US-4,626,774	12-02-1986	Regtien	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 0 226 082	06-24-1987	Flowtec AG		
		EP 0 397 244 A2	11-14-1990	Phillip Electronics UK LTD		
		EP 0 397 244 A3	11-14-1990	Phillip Electronics UK LTD		
		EP 0 397 244 B1	11-14-1990	Phillip Electronics UK LTD		
		EP 0 454 883 B1	11-06-1991	Siemens AG		
		EP 0 455 070 B1	11-06-1991	Siemens AG		
		JP4-348408	12-03-1998	Toshiba Computer		
		EP 0 710 593 A1	05-08-1996	Kernforschungsanlage		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/829,403
				Filing Date	April 20, 2004
				First Named Inventor	Marco Tartagni
				Art Unit	2858
				Examiner Name	Vincent Q. Nguyen
Sheet	2	of	4	Attorney Docket Number	2505377-991104

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,656,871	04-14-1987	Czarnocki	
		US-4,763,063	08-09-1988	Shkedi	
		US-4,814,691	03-21-1989	Garbini et al.	
		US-4,935,207	06-19-1990	Stanbro et al.	
		US-4,958,129	09-18-1990	Poduje et al.	
		US-5,028,876	07-02-1991	Cadwell	
		US-5,325,442	06-28-1994	Knapp	
		US-5,373,181	12-13-1994	Scheiter et al.	
		US-5,430,381	07-04-1995	Dower	
		US-5,467,022	11-14-1995	Aoki et al.	
		US-5,530,581	06-25-1996	Cogan	
		US-5,659,626	08-19-1997	Ort et al.	
		US-5,778,089	07-07-1998	Borza	
		US-5,828,773	10-27-1998	Setlak et al.	
		US-5,844,415	12-01-1998	Gershenfeld et al.	
		US-5,852,670	12-22-1998	Setlak et al.	
		US-5,862,248	01-19-1999	Salatino et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		EP 0 779 497 A2	06-18-1997	Lucent Technologies Inc.		
		EP 0 779 497 A3	06-18-1997	Lucent Technologies Inc.		
		EP 0 786 745 A2	07-30-1997	Harris Corp.		
		EP 0 786 745 A3	07-30-1997	Harris Corp.		
		EP 0 790 479 A1	08-20-1997	SGS Thomson Microelectronics		
		EP 0 791 899 A2	08-27-1997	Harris Corp.		
		EP 0 791 899 A3	08-27-1997	Harris Corp.		
		GB 2279756	01-11-1995	Moonstone Technology		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/829,403
				Filing Date	April 20, 2004
				First Named Inventor	Marco Tartagni
				Art Unit	2858
				Examiner Name	Vincent Q. Nguyen
Sheet	3	of	4	Attorney Docket Number	2505377-991104

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,869,791	02-09-1999	Young	
		US-5,903,225	05-11-1999	Schmitt et al.	
		US-5,920,640	07-06-1999	Salatino et al.	
		US-5,936,412	08-10-1999	Gershenfeld et al.	
		US-5,973,623	10-29-1999	Gupta et al.	
		US-6,011,859	01-04-2000	Kalnitsky et al.	
		US-6,025,726	02-15-2000	Gershenfeld et al.	
		US-6,051,981	04-18-2000	Gershenfeld et al.	
		US-6,066,954	05-23-2000	Gershenfeld et al.	
		US-6,114,862	09-05-2000	Tartagni et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		GB 2279757	01-11-1995	Moonstone Technology		
		GB 2312514	10-29-1997	Sensatech LTD		
		WO 97/40744	11-06-1997	Phillips Electronics		
		WO 98/49691	11-05-1998	Koninkl Philips Electronics		
		WO 99/28701	06-10-1999	Koninkl Philips Electronics		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/829,403
		Filing Date	April 20, 2004
		First Named Inventor	Marco Tartagni
		Art Unit	2858
		Examiner Name	Vincent Q. Nguyen
Sheet 4	of 4	Attorney Docket Number	2505377-991104

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		WOFFENBUTTEL AND REGTIEN, "Integrated Tactile Imager with an Intrinsic Contour Detection Option," Sensors and Actuators 16:141-153, 1989.	
		SARMA AND BARRANGER, Capacitance-Type Blade-Tip Clearance Measurement System Using a Dual Amplifier with Ramp/DC Inputs and Integration, IEEE 41(5):674-678, Oct. 1992.	
		YOUNG et al., "Novel Fingerprint Scanning Arrays Using Polysilicon TFT's on Glass and Polymer Substrates," IEEE Electron Device Letters, 8(1):19-20, 1997.	
		TARTAGNI et al., "A 390dpi Live Fingerprint Imager Based on Feedback Capacitive Sensing Scheme," IEEE International Solid-State Circuits Conference, Feb. 7, 1997, 5 pp.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.